

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP 03/07988

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D301/12 C07C 10 C07C31/20 B01D3/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C07C B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | WO 00 07965 A (BASF AG ;BASSLER PETER (DE); RESCH PETER (DE); WALCH ANDREAS (DE);) 17 February 2000 (2000-02-17) cited in the application page 14, line 19 - line 23 page 15, line 15 - line 18 page 17, line 25 - line 26 page 19, line 4 - line 10; claims 1,4,7; examples; tables | 1-9 |
| Y | EP 0 031 537 A (BAYER AG) 8 July 1981 (1981-07-08) page 1, line 1 - line 3 page 3, line 20 -page 4, line 15 page 5, line 8 -page 6, line 19 page 13, line 13 - line 18 page 14, line 13 - line 20 claim 1; example 3 | 1-9 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

2 December 2003

Date of mailing of the international search report

12/12/2003

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Seelmann, M

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07988

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with Indications where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | US 4 937 393 A (MASUDA TAKAYOSHI ET AL) 26 June 1990 (1990-06-26) column 1, line 17 - column 2, line 2 column 2, line 14 - line 50; claim 1; examples 1-9, 11-31, 34-45 ----- | 1-11 |
| Y | GB 2 068 408 A (INST FRANCAIS DU PETROL) 12 August 1981 (1981-08-12) page 2, line 45 - line 58; figure 1 ----- | 10, 11 |
| Y | EP 0 780 147 A (BASF AG) 25 June 1997 (1997-06-25) page 1, line 25 - line 39 page 1, line 48 - line 54 page 2, line 3 - line 16 page 6, line 45 - line 52; claims; figures ----- | 10, 11 |
| Y | DE 100 22 465 A (BASF AG) 15 November 2001 (2001-11-15) paragraphs '0023!', '0028!' - '0030!'; figures ----- | 10, 11 |

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07988

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|---|---|---------------------|----|----------------------------|---------------------|
| WO 0007965 | A | 17-02-2000 | DE | 19835907 A1 | 17-02-2000 |
| | | | AU | 5619999 A | 28-02-2000 |
| | | | CA | 2339710 A1 | 17-02-2000 |
| | | | CN | 1322186 T | 14-11-2001 |
| | | | WO | 0007965 A1 | 17-02-2000 |
| | | | EP | 1102733 A1 | 30-05-2001 |
| | | | JP | 2002522402 T | 23-07-2002 |
| | | | US | 6479680 B1 | 12-11-2002 |
| | | | ZA | 200101003 A | 06-02-2002 |
| EP 0031537 | A | 08-07-1981 | DE | 2952755 A1 | 02-07-1981 |
| | | | AT | 3426 T | 15-06-1983 |
| | | | BR | 8008494 A | 14-07-1981 |
| | | | DE | 3063380 D1 | 07-07-1983 |
| | | | DK | 551280 A | 30-06-1981 |
| | | | EP | 0031537 A1 | 08-07-1981 |
| | | | JP | 56100774 A | 12-08-1981 |
| US 4937393 | A | 26-06-1990 | JP | 1917973 C | 07-04-1995 |
| | | | JP | 6045563 B | 15-06-1994 |
| | | | JP | 62116530 A | 28-05-1987 |
| | | | JP | 1957071 C | 10-08-1995 |
| | | | JP | 6088922 B | 09-11-1994 |
| | | | JP | 62126144 A | 08-06-1987 |
| | | | JP | 1957072 C | 10-08-1995 |
| | | | JP | 6088923 B | 09-11-1994 |
| | | | JP | 62126145 A | 08-06-1987 |
| | | | CN | 86107894 A , B | 10-06-1987 |
| | | | DE | 3683264 D1 | 13-02-1992 |
| | | | EP | 0226799 A2 | 01-07-1987 |
| | | | KR | 8901883 B1 | 29-05-1989 |
| GB 2068408 | A | 12-08-1981 | FR | 2474024 A1 | 24-07-1981 |
| | | | BE | 887125 A1 | 20-07-1981 |
| | | | DE | 3101703 A1 | 26-11-1981 |
| | | | IT | 1136559 B | 03-09-1986 |
| | | | JP | 56104824 A | 20-08-1981 |
| | | | NL | 8100288 A | 17-08-1981 |
| EP 0780147 | A | 25-06-1997 | DE | 19547450 A1 | 26-06-1997 |
| | | | DE | 59610775 D1 | 20-11-2003 |
| | | | EP | 0780147 A2 | 25-06-1997 |
| DE 10022465 | A | 15-11-2001 | DE | 10022465 A1 | 15-11-2001 |
| | | | AU | 6741901 A | 20-11-2001 |
| | | | CA | 2408325 A1 | 07-11-2001 |
| | | | CN | 1433392 T | 30-07-2003 |
| | | | CZ | 20023681 A3 | 16-04-2003 |
| | | | WO | 0185656 A1 | 15-11-2001 |
| | | | EP | 1282586 A1 | 12-02-2003 |
| | | | HU | 0302011 A2 | 29-09-2003 |
| | | | US | 2003181772 A1 | 25-09-2003 |